

Sf-9 Cell  
Extract:

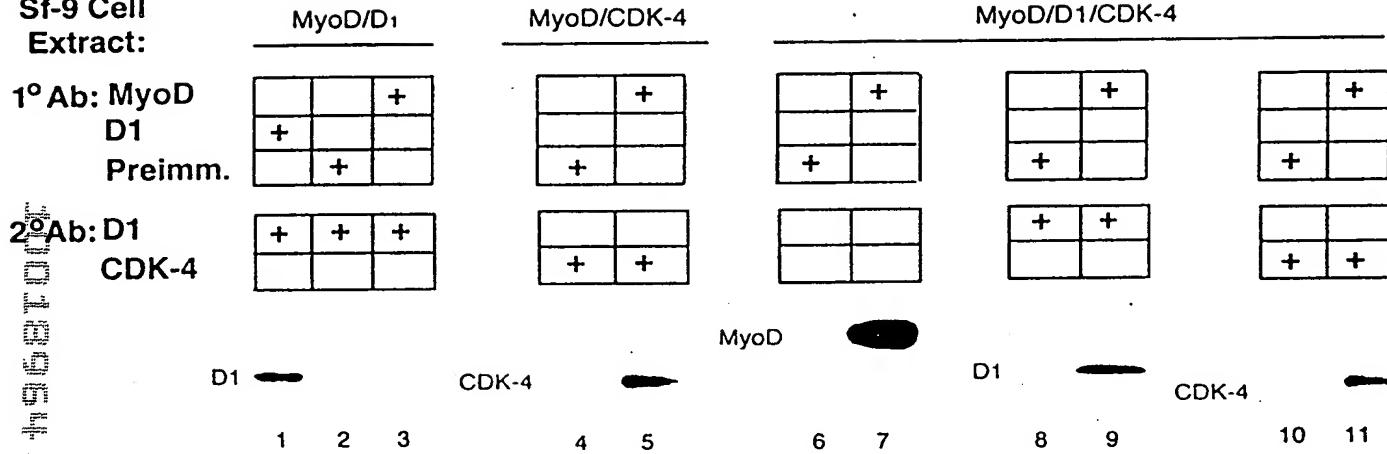


FIG. 1

10/018964

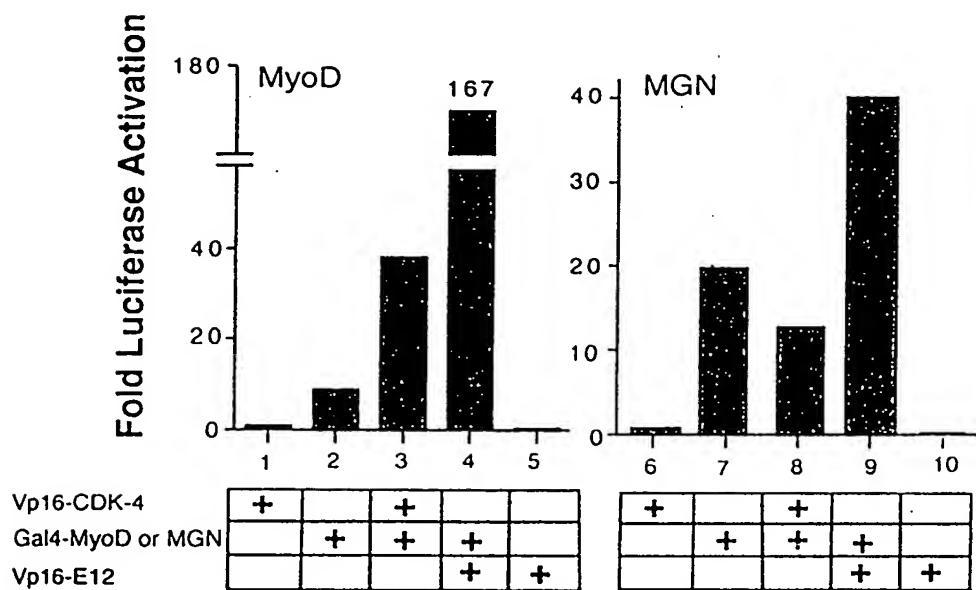


FIG. 2

1° Ab: CDK-4

MyoD

IgG

	+		
		+	
+			

+			
		+	+
	+		

2°Ab: CDK-4

MyoD

IgG

	+		
		+	
+			

+	+	+	
			+

<sup>35</sup>S-MyoD

<sup>35</sup>S-CDK-4

1 2 3 4 5 6 7

FIG. 3

MyoD	+	+	+	+
E12	+	+	+	+
CDK-4		+	+	+

cdk-4  
50ng → 200ng



MGN	+	+	+	+
E12	+	+	+	+
CDK-4		+	+	+

cdk-4  
50ng → 200ng

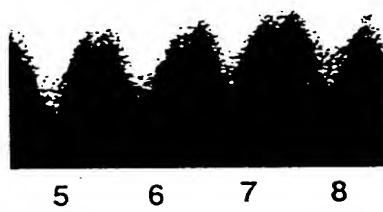
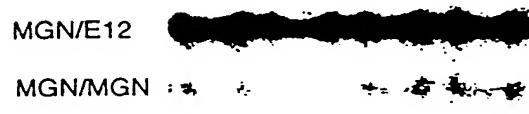


FIG. 4

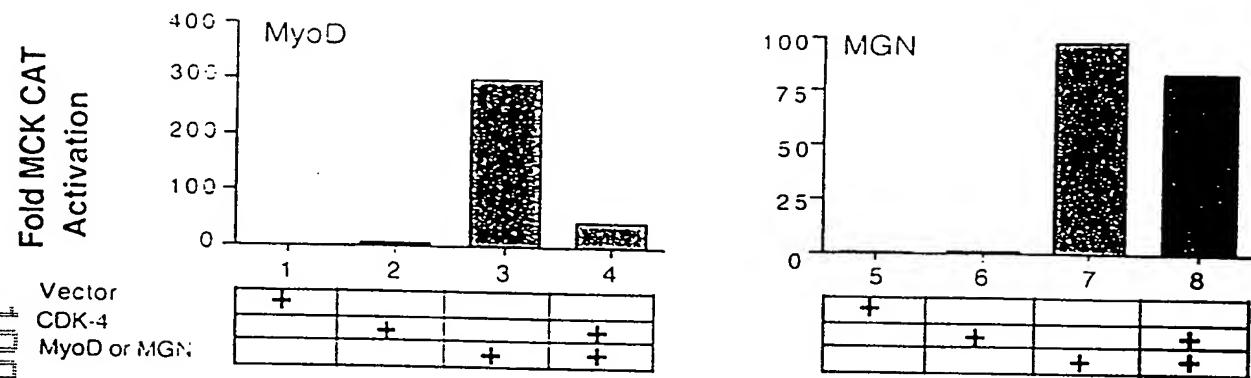


FIG. 5

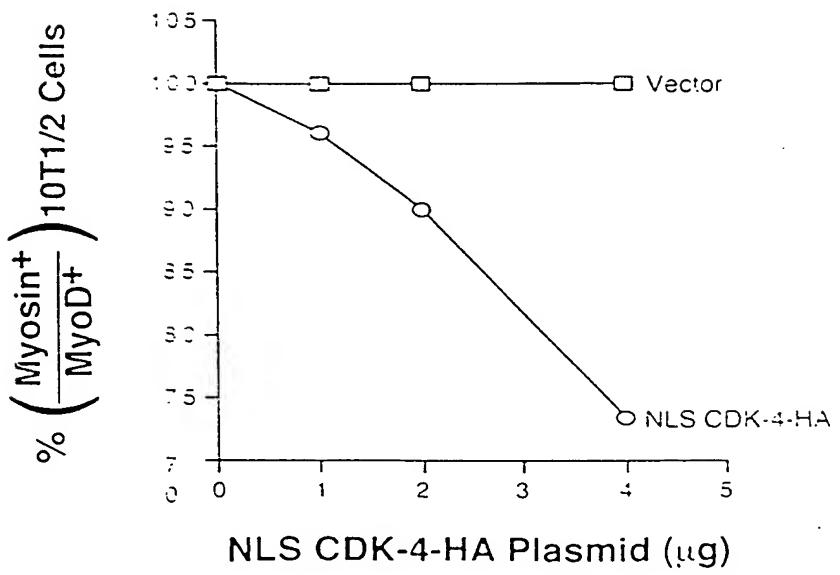


FIG. 6

10/018964

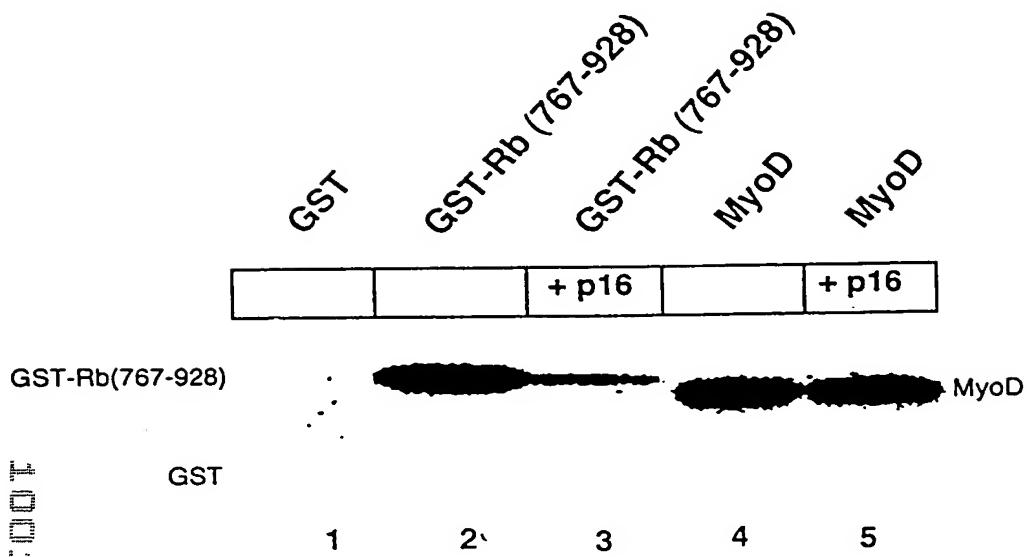


FIG. 7

A

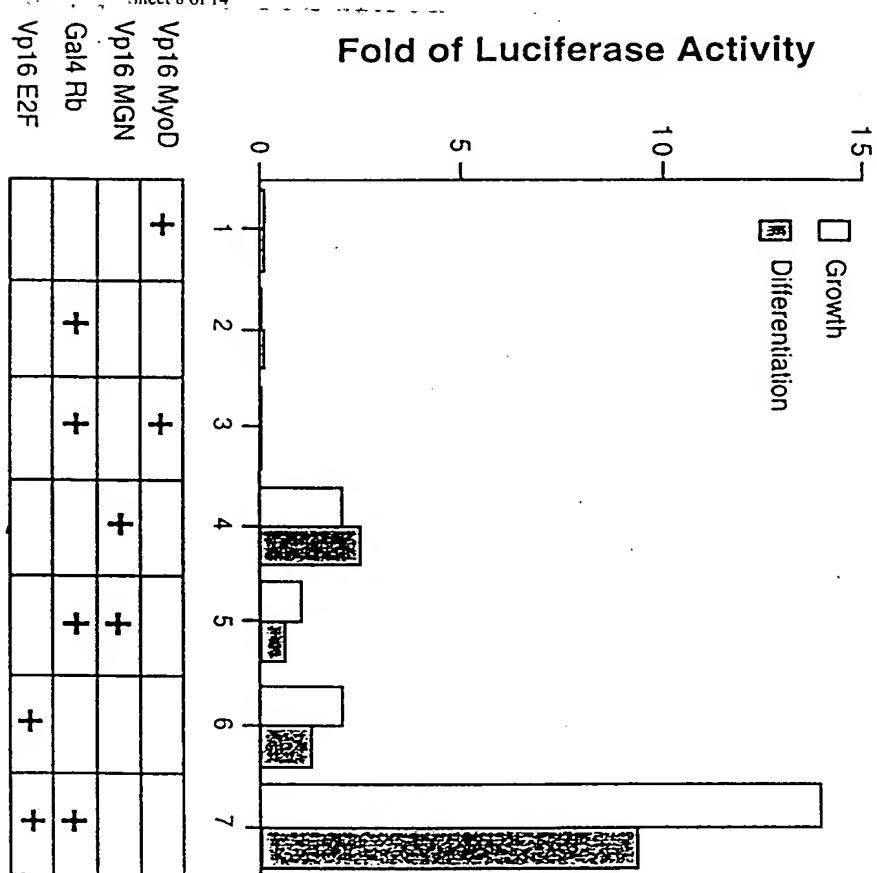
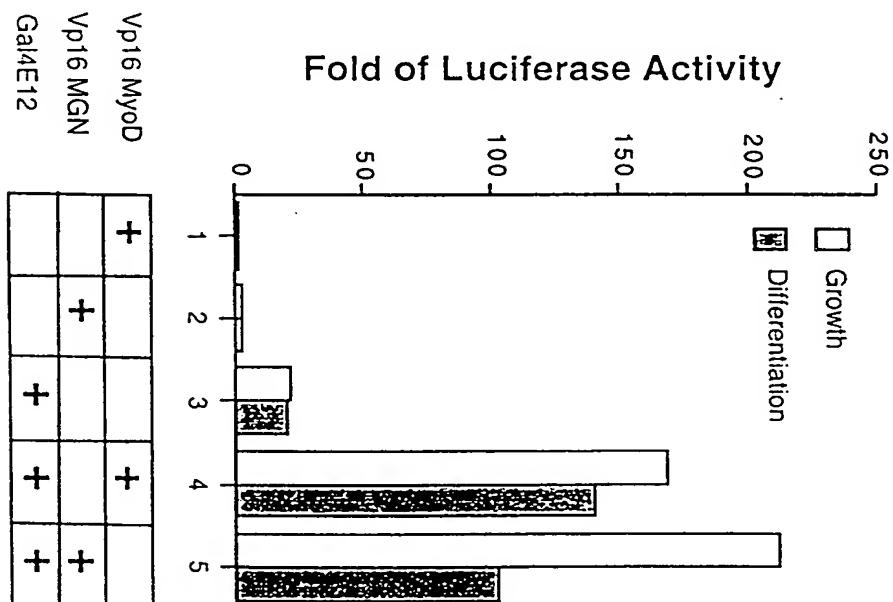


FIG. 8

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B



GST-CMD

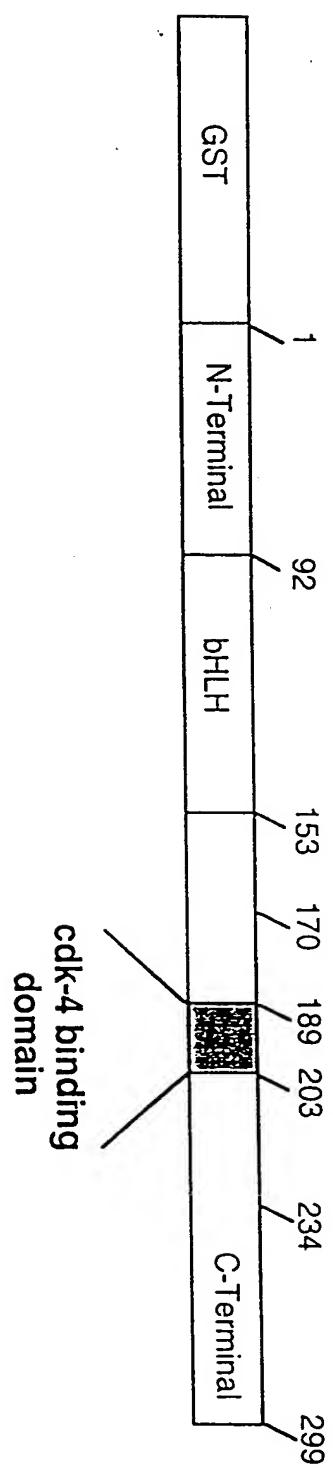
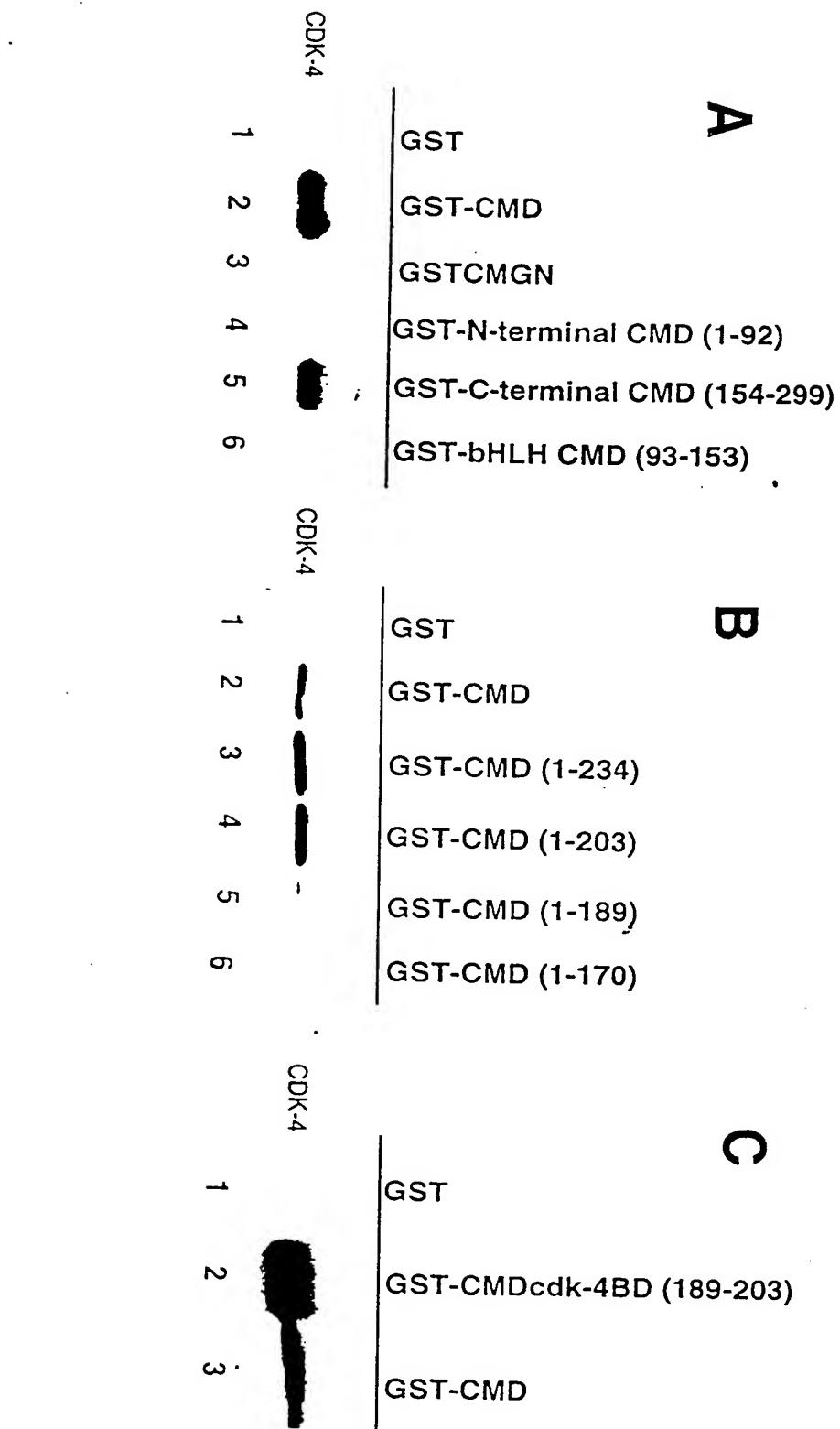


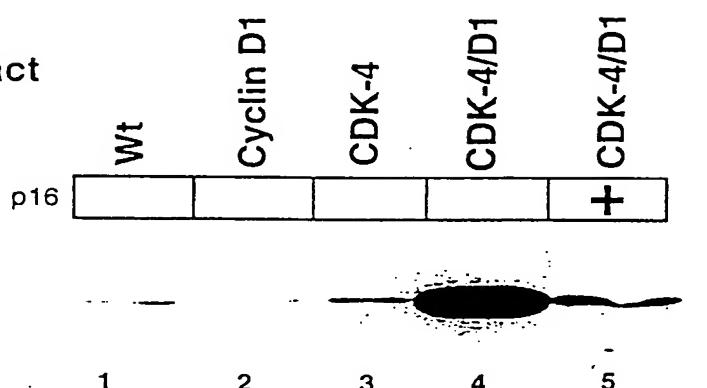
FIG. 9

FIG. 10



A

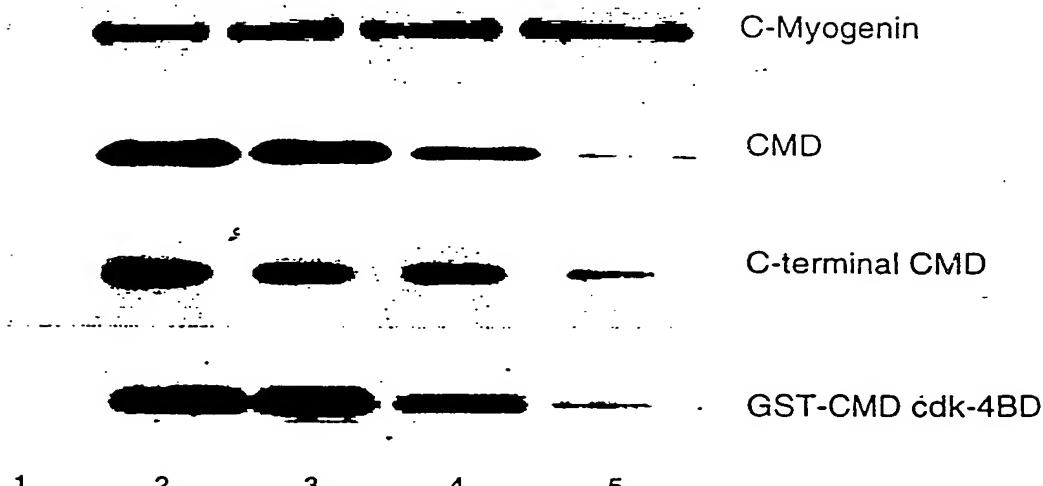
sf-9 Cell Extract  
(64 ng)



B

Proteins

75ng → 300ng



PO4-Rb(Anti-P780)

FIG. 11

10 '018964

CDK-4  
Binding

CDK aa	No. BrdU+ Cells 500 $\beta$ -gal+ Cells (n=6)	%Inhibition
Vector	88.4 $\pm$ 6.2	0 %
+	37.1 $\pm$ 4.2	58 %
N-CMD bHLH	1-299	
-	86.8 $\pm$ 4.8	2 %
bHLH	1-92	
-	58.4 $\pm$ 3.9	34 %
bHLH	93-153	
+	46.9 $\pm$ 6.4	47 %
bHLH	153-299	
+	41 %	
-	1-92	96.7 $\pm$ 5.9
GST	N-CMD	0 %
+	189-203	57.4 $\pm$ 4.3

FIG. 12

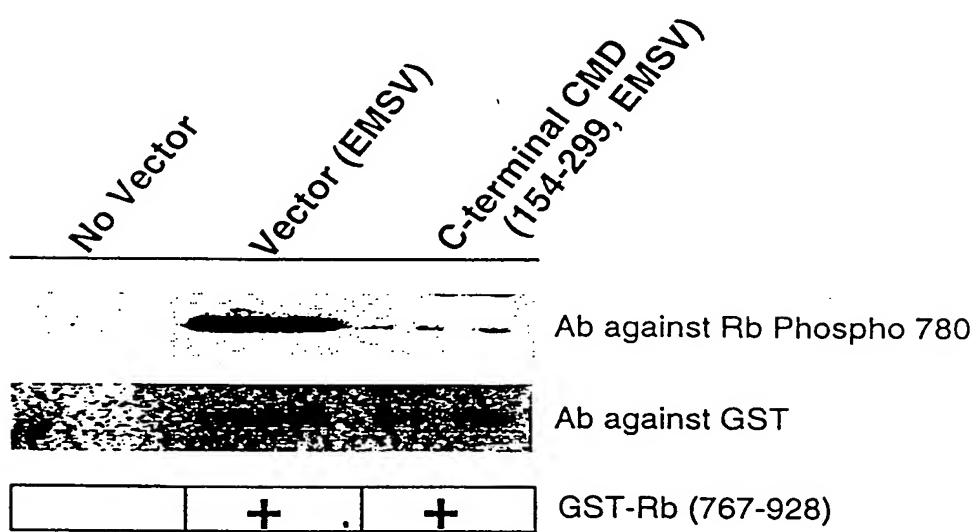


FIG. 13

SPECIES

PEPTIDE SEQUENCE

Chicken	YSGPPCSSRRRNSYDS
Human	YSGPPSGARRRNCYEG
Rat	YSGPPSGPQQQNGYDA
Murine	YSGPPSGPQQQNGYDT
Pig	YSGPPSGARRRNCYDG

Consensus	YSGPPC/SG/S-RRR/QN-YD/E-
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Xenopus-A	YNSPPCGSRRRNSYD
Xenopus-B	YNSPPCSSRRRNSYD
Zebra fish	FMGPTCQTRRRNSYD

FIG. 14